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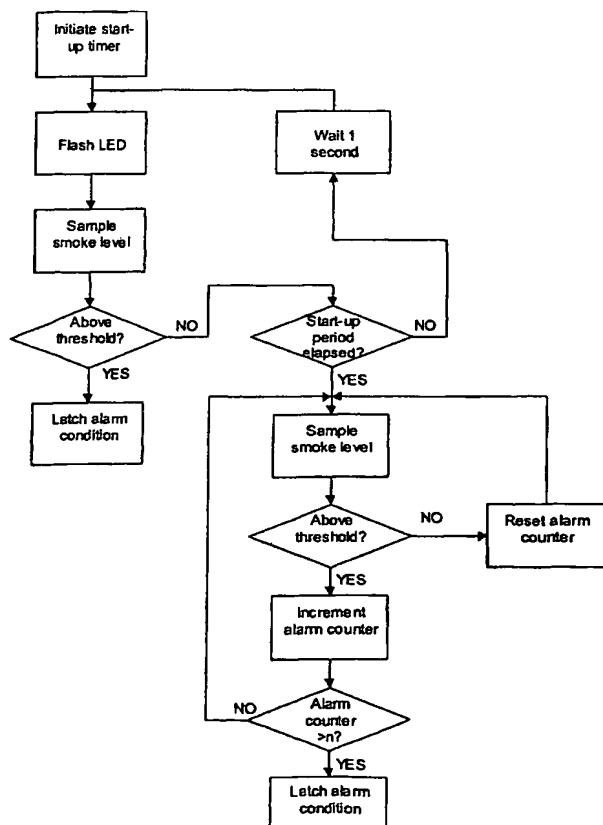
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(54) Title: HAZARD DETECTOR

FLOWCHART OF SMOKE DETECTOR OPERATION FROM COLD START OR RESET



(57) Abstract: A hazard detector has an electronic circuit with a start-up program for causing emission of a local indicator signal, such as a flashing signal from a LED, if power and ground terminals of the detector are connected with proper orientation, i.e. polarity, to power and ground lines of a power supply. Through this means, a person installing the hazard detector can tell immediately after connection if the detector has been connected with proper orientation, and avoids the need for introducing a hazard such as heat or smoke to test the operation of the detector. A variation uses a more sophisticated program that disables, during a test mode, complex filtering algorithms that are used by detectors to block false alarm signals; if such filtering is not disabled, impedes normal testing of the detectors.

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 716 725 A (RIVERON MARIO A ET AL) 10 February 1998 (1998-02-10) the whole document	7-9
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X	GB 2 137 790 A (MORRISON JOHN M) 10 October 1984 (1984-10-10) page 1, line 73 - line 98 page 2, line 35 - line 52	1
X	US 5 966 079 A (TANGUAY WILLIAM P) 12 October 1999 (1999-10-12) figure 24	1
<input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-6

Means for modifying the behaviour of a hazard detector during test mode or start up

1.1. claims: 7-14

Hazar detector with correct polarity connection indication means

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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